

**c. Amendments to Claims**

1. (Original) A apparatus, comprising:  
a solid that comprises an crosslinked collection of amphiphilic  
5 organosilicate precursors; and  
wherein the amphiphilic organosilicate precursors form a matrix with an array of micro-structures dispersed in the matrix.
- 10 2. (Presently amended) The apparatus of claim 101, wherein the micro-  
structures are voids or pores in the matrix.
- 15 3. (Presently amended) The apparatus of claim 112, wherein the voids or  
pores are hydrophilic and portions of the matrix not adjacent to the voids or  
pores are hydrophobic.
- 20 4. (Presently amended) The apparatus of claim 112, wherein the solid is  
non-wettable by water.
5. (Presently amended) The apparatus of claim 112, further comprising:  
a planar optical waveguide comprising an optical core layer and the solid;  
and  
wherein the solid forms an optical cladding layer for the optical core layer.